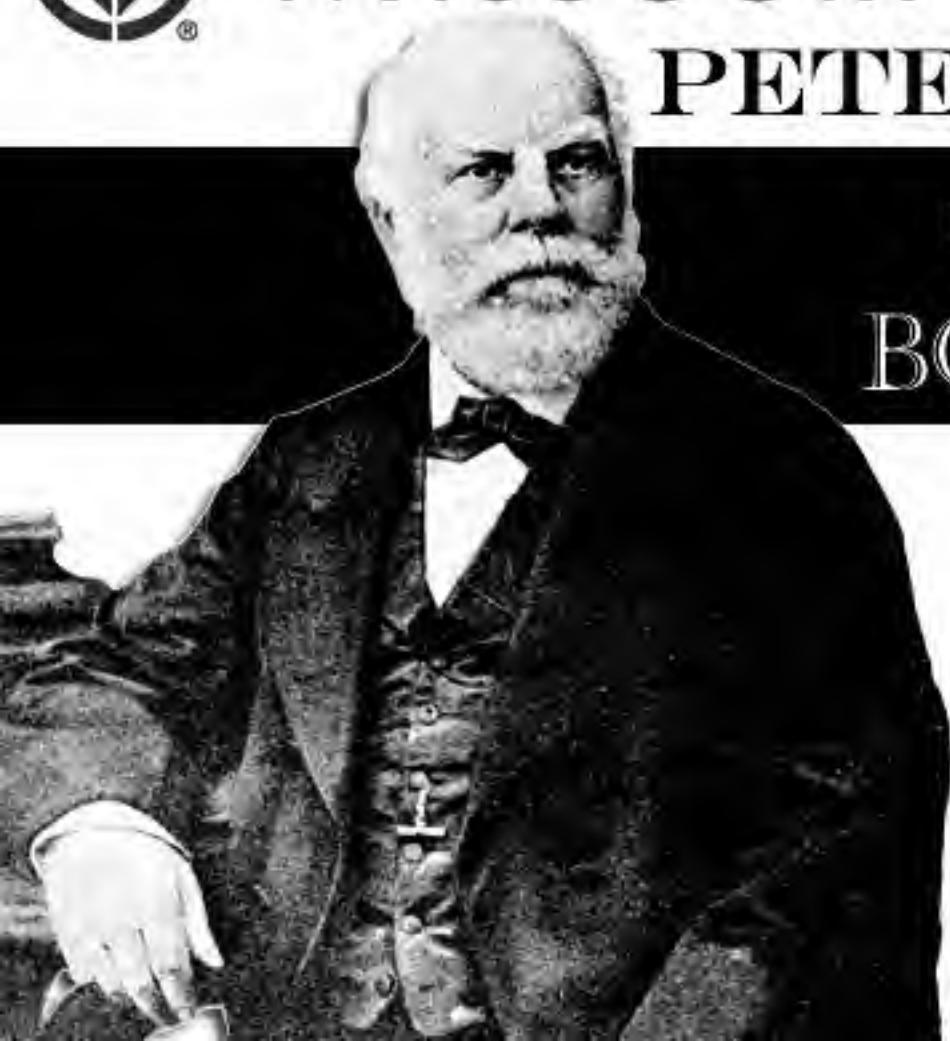




MISSOURI BO PETER H.

GEOR
BOTAN



*Since
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nu*

Cuscuta & Cactaceae collected in 1851 & 1852 in New-Mexico Sonora Chihuahua & Texas by Chas Wright

Cuscuta

No 124 Low bottom of the ~~Rio Grande~~ growing on weeds & willows Aug 1
 " 6 Fields El Paso July 5
 " 695 As San Bernardino Sonora (sonchus) On willow bushes Oct 3
 " 578 Margin of a branch of the Babocomari of the San Pedro at a desert Sept 19
 " = 585 Hillsides near the Babocomari Sonora " 22
 " 529 Near deserted Rancho on hill-sides, whole plant very white (On bushes) " 15
 " 541 " " In the valley Sonora Climbing widely on Cyclaminaceæ 17
 " 484 Low damp soil near the San Pedro On Helianthus & Ambrosia Sonora " 11
 " 371 Near ojo de garita (Hawk-spring) in a valley New Mexico Aug 29
 " 584 Margin of Comanche Spring Texas June 29 1852
 " 392 Bottom of Rio Grande. On Helianthus ciliatus forming large orange patches 16
 " 503 Valley of the Limpiezo " 27
 " 510 " " On stony hills along the Pecos " "
 " 534 Margin of Comanche Spring July 2



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16



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Wright

1622 Cur. Detora

H. Torrey

C. multiflexa Warm Springs, Va

C. rotundata Drexel Hill, Pa.

C. amara Boykin Georgia

C. Epilinum - flaxfield, Albany
n.y. - H. Torrey

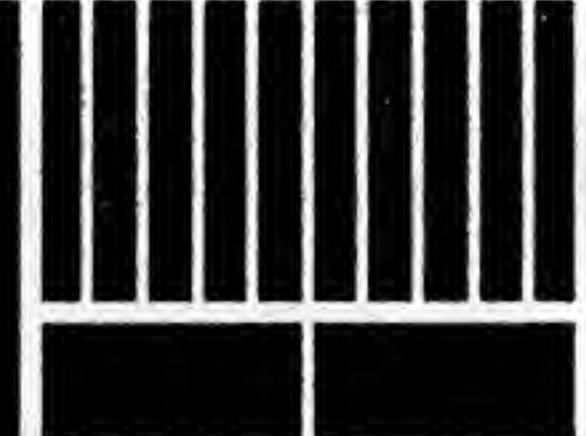
C. nitida C. D. S. Harvey *exaltata*
epilinoides

C. Texana to be named *Staudolia*

Rio Grande on Cibos, Schott
valley of La Pedro) *Abs. toxoid*

Leone, Bigelow *q. viridis*

Pecos, Bigelow *Abs. viridis*



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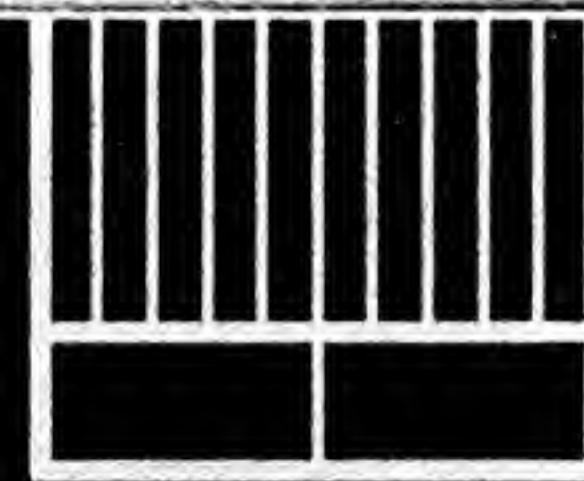
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Rev'd Sept 8th
Ats Chy 28 Sept. 2, 1858

5023

My Dear Tephraun

Torrey's 2 days with
me, involved me in unless
sant work on his boundary
ms., until the end of last
week, postponing every
thing else. Since I
have wished to straighten
up business here so that
I can get away to turn
my wife in Connecticut
and have a little vacation
— my only one since we were
in Albany over 2 years ago!

I have neglected to enquire
about way of sending large
box to you. — & expected to
get your directions. But
you have probably been
as busy as I have.

I must be off to-morrow
morning, and your boxes must



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Presentee

Mights, 1837, sent as 1. = 1632 "W. distribution = "B. ~~avensis~~, var ~~pubescens~~"
" 8 " - 2 = 1631 = B. ~~avensis~~, pubescens"
" 8 " I do not see yet.

What's Fendler's bsg? Cumulata

Mights' 1849 coll. was distributed
thus. That sent to us under letter
I. = no. 520 in distribution Decora
K. not distributed obtusiflora
L. = 521 Decora var. ~~obtusiflora~~
M. = 523 avensis, below pubescens & vermoosa
N. = 521 Decora
O. Decora not dis tr.
P. = 519. avensis pubescens
Q. = 524 Decora
R. = 522 Leptantha
S. = 518 Sphaeranata
T. = 525.) Decora
U. = 525.) avensis var pubescens
V. = 525.) Decora var hispidula
W. = 525.) Decora



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wait my return 2 weeks hence.
I hope you will not mind
the delay. I think you need
not open them before October.
I am much worn out
and worried, but a little
journey & relaxation will
set me up, and my wife
too, who ~~tells~~ tells me
she has gained nothing yet
though now some time
away.

I have many letters
to write to-night.
Ever yours — with best
regards to Mrs. E.

A. Gray

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1848

Cuscutae

656 & 657. Cuscuta glomerata Chois as far west as Pawnee fork,
near Fort Mann, so far the most western locality of this
species.

658. C. Coryli E. umbrosa Begr. petiolata
floribus quadripartitis; tubo corollae campanulato,
calyxum et lobis limbis ^{ornatissimis} aequante; valvis segmentis acutis acute
cavatis, lobis corollae breviter connatis, reflexis; squamis
subnullis, ovario style pedicellato coronato; corolla ciliolosa reticulata
anthemis ovato subrotundae.

Very near the common form, but distinguished by the
rather larger calyx, and by the almost entire absence
of scales.

659. C. umbellata; floribus longius petiolatis, spidi,
calyx membranaceo campanulato, ~~alba~~^{ad medium} 5 lobo,
segmentis
lobis ovato-triangularibus acutis, tubo corollae campan-
ulato paucis superantibus; lobis corollae ^{crenatis} acutis
tubo longioribus; squamis cavatis puberulis, minoribus
ovario globoso depresso, stylis filiformibus, ovario longioribus
filamentis subulatis lobis limbis dimidio brevioribus, anthemis
lineari-oblongis.

Capsula irregularis! corolla marcescente circumdata,
valvulae rotundatae; dissepimenta cum basi capsulae
in calyce persistent, capsula parte superiori cum
semibus decidua.

Unfortunately the capsules are not ripe enough
to decide this point satisfactorily; but there can
be little doubt that it is so as I have it described.
R. petiolata spidi

659. b. Cuscuta suspida Eng., v. Calycoc Bracteis
3-5 minoribus ovatis obtusis ~~fido~~ stipatis, sepalis
disjunctis, ovato orbiculatis obesus, imbricatis;
corollae tubo brevioribus, tubo corollae subcylindrica
limbi lobis ovatis contusculis ^{sub}longior; squamis
magis paucis attenuatis, puberulis, adpresso (?)
ovario minute globoso, stylis inaequibus ovario
ter quaterque superantibus, filiformibus over



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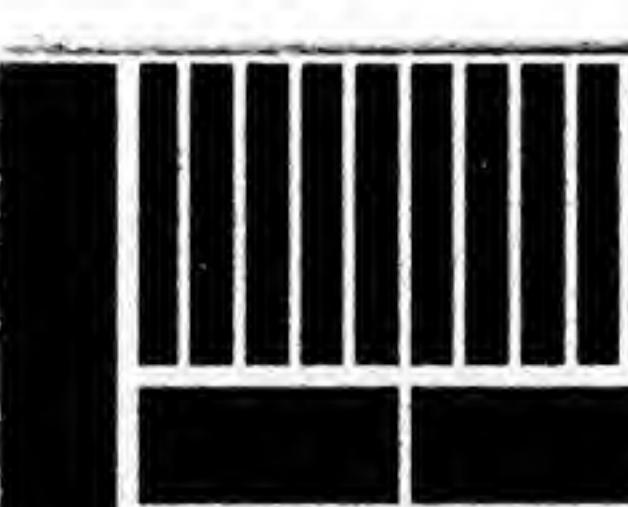
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This form may constitute *C. cuspidata* var. *g. obtusa*
~~sepalis ovato - orbiculatis, obtusis, conile glandulosum~~

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Jan
1848

Cuscuta pentagona Don Mountain on Canother etc French
Engl Nov. 1845 Pine barrens near Hillsborough, Richl Aug. 1848
on Solids & Astw.

Is very near *C. Coryli*, and evidently in that section which
is distinguished by its crenulate lobes of Corolla with reflexed points.
Crenulations produced by large irregular cells - appears ~~as if it~~ it
was frosty. But in the other 2 species of this
section the ovary is evidently pointed, with a
stylopodium - here however such an enlargement
on the top of the ovary is hardly observable; only the
upper part of ovary - capsule is thicker than the lateral

caule humili (aerantia) filiformi, glomerulis laxis
^{pentagonis} panicifloris, floribus & pedicellatis (minutis) calyx ^{cor.} ~~cis~~ ^{pentagoni}
segmentis orbiculatis, obtusis, carinatis, tube corollae
subaequalibus; tubo ^{cor.} campanulato, ~~laciniis~~ ^{filamentis} laevolatis,
carinatis minute crenulatis apice ^{flexu} ~~incurv~~ ^{patentes} acute
filamentis subulatis binas brevioribus, anthers
conditi orbiculati; squamis faciem corollae affigantibus
a superantibus, incurvis; ovarium subglobosum
et globosum; capsula subglobosa, basi corolla
persistente non late

N. I have seen this species insert its
suction apparatus into the epidermis of a blade of
grass - which became brown near those places -
mostly the Cuscutae don't penetrate the epidermis
even if they should happen to penetrate into the
stems or grasses.

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Grindelia



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June 1855

Cuscuta Cesatiana Bertoloni C. Polygonorum Cesati Linnaea VIII p 199
ramis filiformibus, glomerulis laxis, pedicellis flores 5-meros
subaequantibus; alios segmentis ovatis ~~angustis~~ orobie patenti-
rampliatis tubum excedentibus, laeviis ovatis, auctius only
~~tubus~~ plantae subulatis ~~rectis & punctatis~~ taboque orobie
vix longioribus; squamis tenuibus profide laevis saepe
bifidis, stylis ovarium depresso aequantibus sub-
inclusis stigmatis capitis; corolla manus rotata
ad basi capillaris (depresso globosa) basatae
persistente.

In Polygonis agro Cesatiano, regni
Pedemontani. Grf V. Cesati detect 1849
Pedicels $\frac{1}{2}$ -1 l. long, flwr bl $\frac{1}{3}$ l. long
very similar to C. Polygonorum s. chlorocephala
and probably only a variety or geographical
form of it.—

The ~~other~~ plant has shorter pedicels, smaller
flower $\frac{1}{4}$ -1 l. long, fl oft 4 parted, more
acute lobes of calyx, less conspicuous & less
divided ~~triangular~~ scales, smaller seed
very large in proportion and protruding out of the
flower, seed smaller.—



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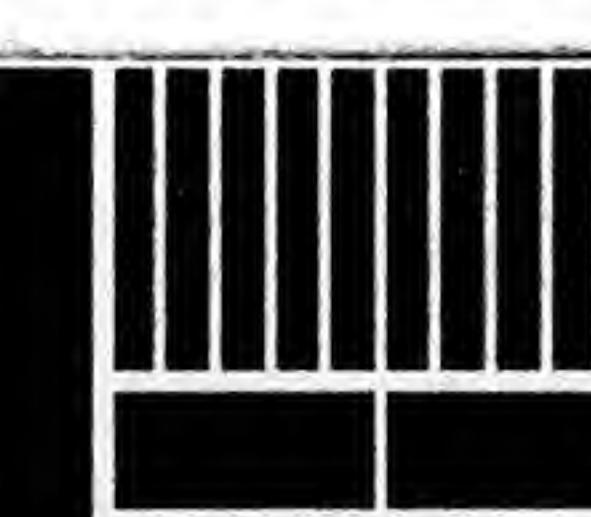
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Cassata coronata Degr!
= *compacta* Juss

C. cembra B! = *C. quinque*

C. arvensis Degr!

= *pentagyna*

Ex herb Univ. Goett



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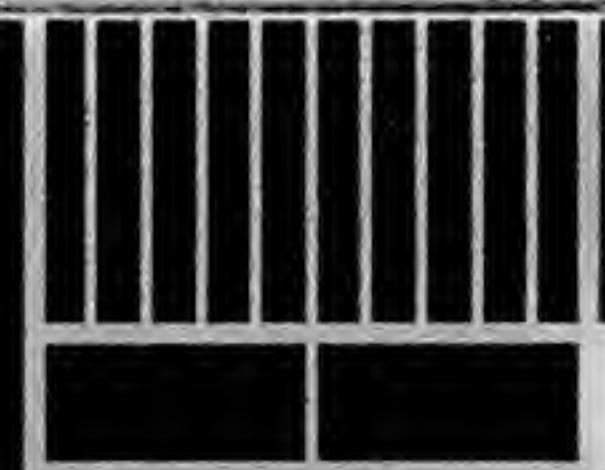
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Cassuta Schkuhriana f. lilacina Giffigan
var. spissula f. spissula C. Lemoine

C. monogyna and obtusa = Dr. H. C. Tippin

{ C. Epiphyllum Dabright Calyx tube corolla
oblongo multo brevior
C. Bipinnis Calyx tube corolla brevior
aequaas.



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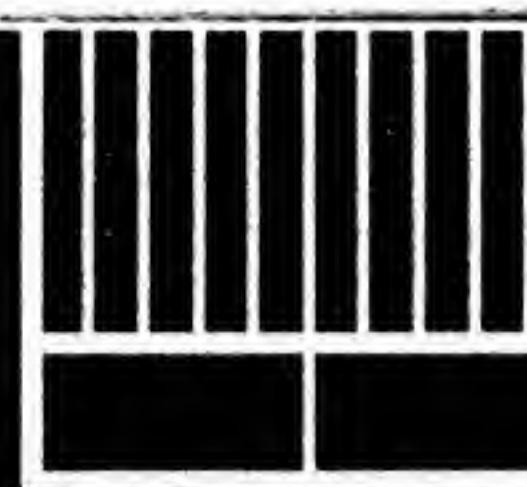
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Link for Dr. D. C. Eaton's & Carsten's *Flora of Fliegenthal*
in kind & with flag in year
Verh. d. Berl. Naturf. 1859 - Regn. (Flora 1850
p. 468



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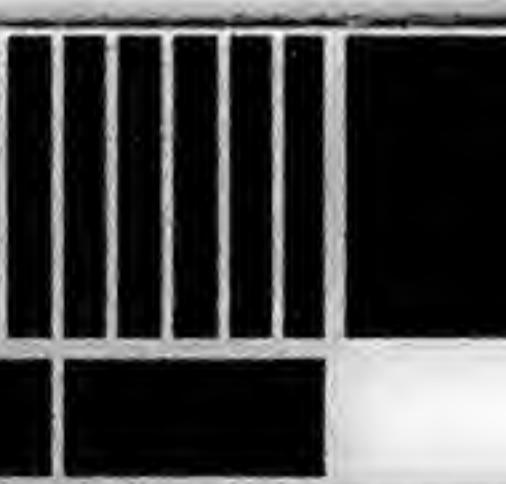
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Witness my hand this

day of

184 .

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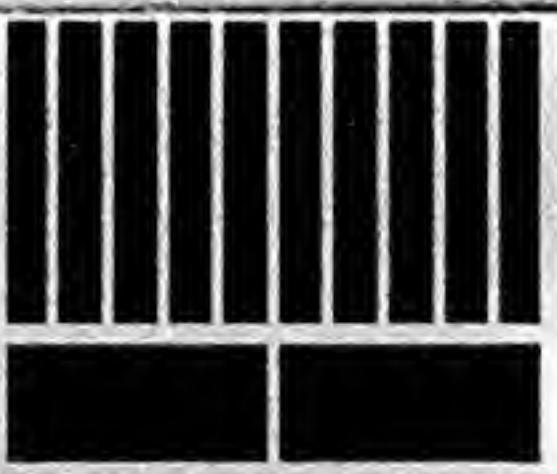


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Cuscuta obtusiflora
var *Cuscuta Egl*

see *Graeca* 32 (1863. p. 257)

Slope of Lubiqu, nothing new.



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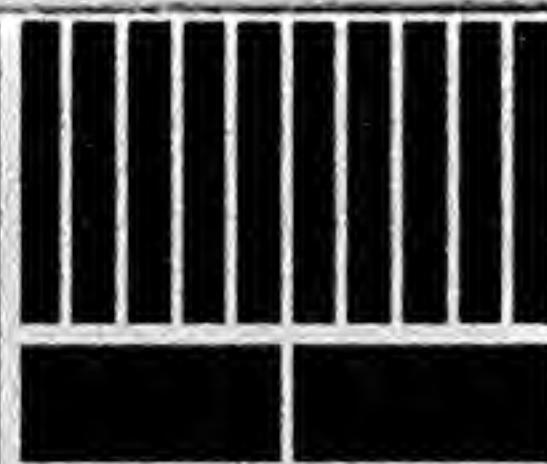


CONTIES

CROSSING

Market
and Street

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b. calyptratæ

26. C. tonaiiflora Engelm.

27. §. 8. Corniculatae

27. C. corniculata var. ^{a. gymnoracra} Drue

28. C. decora (Choi) ^{b. calyptratæ s. indusiatæ}

29. C. inflexa Engelm.

30. C. microstylis

31. C. racemosa Mart. [{]

31. C. densiflora Hook f.

33. C. Tasmanica var. ^{Vandier} ^{stylis} Engelm.

32. C. paniciflora var. sp. Drue

33. C. uriniflora var. sp. ? Drue

§. 9. Aoutæ gymnoracra

35. C. chlororacra Engelm.

36. C. arvensis Begr.

37. C. gymnoracra n. sp. Gallopa.

38. C. Sandwicensis Choi

39. C. aoutæ n. sp. Gallopa.

40. C. micrantha Choi

41. C. micranthodes n. sp. Choi

b. leptostylæ

§. 10. obtusatae

C. dubia

§. 10. Auminatae calyptratæ

42. C. partita Choi

43. C. stenolepis n. sp. Quintero

44. C. brachygalyx n. sp. C. B. Sp.

45. C. tuberculosa Drue & Hilg.



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46. C. californica Chois

47. C. oxyptala Benth

II. Lepidium, spp. ssp. distinctes
incribitali Bracteis

S. 12. Lepidium

48. C. asperatum Engelm.

49. C. bracteatum n.sp. Brandt

50. C. squamatum n.sp. N. Mex.

51. C. glomeratum Chois

52. C. compactum Less.

53. C. grossa n.sp. Bolivia

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Grammica stylis capitatis.

I. Detax. stolycamosepalo

A. Circumscrisse

a. brachystylae stylis brevibus
plenumque a basi onus
tabulatis

§1. obtusilobae

a. esquamatae, floribus
(magnis planis, laxis
longepedicellatis).

1. C. grandiflora Hook.

b. squamigerae floribus
breviter pedicellatis, ~~planis~~
que magnis, crassis,
cyclonepalis, profunde
excavatis, seu cy-
lindritis
(except N^o 7)

2. C. odorata A & Griseb.

3. C. tinctoria Mart.

4. C. botryoides n. sp.

5. C. Jalapensis Schlecht

6. C. Chilensis Ker.

7. C. appplanata n. sp.

§2. acutilobae.

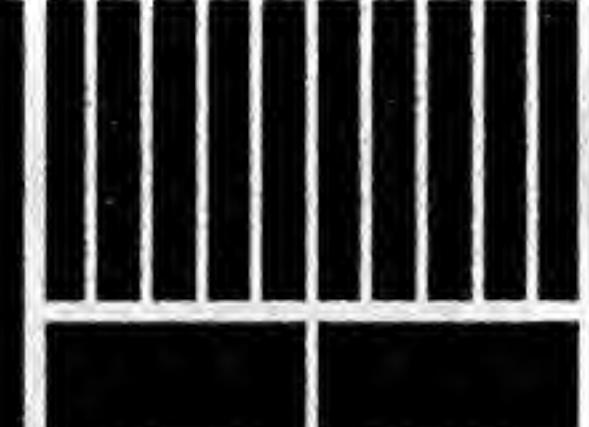
8. C. foetida Hook.

9. C. acutiloba n. sp. Peru

§3. angulatae

10. C. ciliaris Benth.

11. C. Chinensis Lam.



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b. Leptostylae

§ 4. Angulatae

Brachylobae lacinis
corolla bracts obtusis, calyx
plerumque laxo, ovariiformis

12. *C. Americana* Linnae.

13. *C. longiflora* Popayanensis H. & K.
Stylosa Chiri
conymbosa R. & P.

14. *C. floribunda* H. & K.

15. *C. primulina* Par. Chir.

§ 5. Leptolobae lacinis elongat.

obtusis, corolla s. plena s. accusata,

16. *C. Sonoriensis* a. sp. Sonora

17. *C. Dianthochortos* Mack. var.

18. *C. umbellata* H. & K.

19. *C. gracillima* a. sp. Mexico

20. *C. leptantha* a. sp. N. Mexico

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A. Baccatae.

a. brachystylae

§. 6. Obovissimae

gymocarpae
platycarpae

21. *C. obtusiflora* H. & K.

22. *cristata* a. sp. ? Brazil

23. *sphaerogyna* a. sp. ? Venezuela

§. 7. Oxycarpae lobis coll. obtusis

a, gymocarpae

24. *C. rostrata* Schultes.

25. *C. Gronovii* Willd.



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